

DaimlerChrysler AG

Abstract

5 In order, in a deflection chamber (1) for eliminating  
water in a fresh air supply system of a motor vehicle,  
which has, in the mounted state, a high-level inlet  
port (2), an outlet port (3) disposed essentially at a  
right angle thereto and a drainage bottom (4) situated,  
10 in the mounted state, below the inlet port, for the  
collection and evacuation of water, to prevent the  
bursting of water droplets separated from the air and  
the formation of spray mist, the steeply rising  
lamellae of the deflection chamber are disposed such  
15 that the lamellae (5-9), in the free cross section  
between inlet port (2) and drainage bottom (4), are  
aligned at an acute angle to the direction of arrival  
(A) of the water droplets and fully cover the drainage  
bottom (4) in the direction of arrival (A).

20

(fig. 1)